

**EIKI LENSES FOR LC-X5 and LC-X4A POWERHOUSE PROJECTORS**

**March 4, 2005.**

**Image Dimensions (H & W in ft., D in in.) in 4:3.**

Resolution: XGA (1024x768)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 1.453 in. wide

Height (ft.)	4.5	6	7.5	9	10.5	12	15	22.5	30
Width (ft.)	6	8	10	12	14	16	20	30	40
Diagonal (in.)	90	120	150	180	210	240	300	450	600

EIKI Part No.	Ref.	T/W	Auxiliary Lenses	Shift/Limits	Distance (expressed in feet).									
*AH-32021	(W03)	0.81	1.18" Manual, Fixed (30.0mm) f:2.5	1:1 (on axis)	4.9	6.5	8.1	9.7	11.4	13.0	16.2	24.4	32.5	
*AH-21012	(W01Z)	1.21	1.76" Manual, Fixed (44.7mm) f:2.5	8:1~1:8	7.3	9.7	12.1	14.5	17.0	19.4	24.2	36.3	48.5	
*AH-21202	(W02Z)	1.41	2.06~2.67" Power, Zoom (52.2~67.9 mm) f:2.53~2.95	8:1~1:8	8.5	11.3	14.1	17.0	19.8	22.6	28.3	42.4	56.6	
(**AH-21201)	(W02)	1.84			11.0	14.7	18.4	22.1	25.8	29.4	36.8	55.2	73.6	
*AH-21102	(S02Z)	2.05	2.98"~3.84" Power, Zoom (75.7~97.5 mm) f:2.0~2.3	10:0~0:10 Standard	12.3	16.4	20.5	24.6	28.7	32.8	41.0	61.5	82.0	
(**AH-21101)	(S02)	2.64			15.9	21.1	26.4	31.7	37.0	42.3	52.9	79.3	106	
*AH-22051	(S03)	2.63	3.82~5.16" Power, Zoom (97~131mm) f:1.7~2.7	8:1~1:8	15.8	21.0	26.3	31.5	36.8	42.1	52.6	78.9	105	
		3.55			21.3	28.4	35.5	42.6	49.7	56.8	71.0	107	142	
***0001-4260	('537)	3.09	4.49~7.72" Manual, Zoom (114~196mm) f:2.0	8:1~1:8	18.5	24.7	30.9	37.1	43.3	49.4	61.8	92.7	124	
		5.31			31.9	42.5	53.1	63.8	74.4	85.0	106	159	213	
*AH-21022	(M01Z)	3.37	4.9~6.37" Power, Zoom (124.5~161.8 mm) f:2.0~2.6	8:1~1:8	20.2	27.0	33.7	40.5	47.2	54.0	67.4	101	135	
(**AH-21021)	(M01)	4.38			26.3	35.1	43.8	52.6	61.4	70.1	87.7	132	175	
*AH-21091	(T02)	4.28	6.22~8.7" Power, Zoom (158~221mm) f:2.0~2.8	8:1~1:8	25.7	34.2	42.8	51.4	59.9	68.5	85.6	128	171	
		5.99			35.9	47.9	59.9	71.9	83.8	95.8	120	180	240	
***0001-4261	('151)	4.99	7.25~12.38" Manual, Zoom (184~314mm) f:2.8	8:1~1:8	29.9	39.9	49.9	59.9	69.9	79.8	100	150	200	
		8.52			51.1	68.2	85.2	102	119	136	170	256	341	
*AH-32581	(T03)	6.07	8.82"~12.8" Manual, Zoom (224mm~325mm) f:2.2~2.5	8:1~1:8	36.4	48.6	60.7	72.8	85.0	97	121	182	243	
		8.81			52.9	70.5	88.1	106	123	141	176	264	352	
*AH-21032	(T01Z)	6.88	10" Manual, Fixed (253.2mm) f:2.0	8:1~1:8	41.3	55.1	68.8	82.6	96.4	110	138	207	275	
(**AH-21031)	(T01)													

**Notes:**

For 16:9, width stays the same as 4:3 (ignore the diagonal).	16:9 Height (ft.)	3.4	4.5	5.6	6.8	7.9	9.0	11.3	16.9	22.5
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Calculations are from the front glass of the lens and are accurate to approximately +/- 3.5%.

Specifications are subject to change without prior notice.

This projector should be transported with no lens installed.

\* These lenses require adapter AH-25841 (one included with projector).

\*\* These lenses require adapter AH-25871.

\*\*\* These lenses are supplied complete with adapter.

**How to use the T/W column.** If your screen size does not appear on this chart, use the T/W column to find the lens you need. Divide the Throw distance by the screen Width to get your "target T/W number". Then, look for a lens with a T/W range that covers

**Understanding Lens Shift.** The numbers in the Shift/Limits column express the projector positions possible as a ratio of the image height. Above: Below a line drawn perpendicular to the screen between the lens and the screen. 1:1 = center of the image. 10:0 = top of the image.



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